

Woodward-Clyde

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REMARKS: Urgent For your review Reply ASAP Please comment

Douie,

Here are UPDATED TABLES.

Review these results, DON'T CHANGE.

THIS VERSIONS WILL BE READY TOMORROW.

Call with any Q's.

JEFF

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Table 6-1
Maximum Impacts from Emissions due to the Facility Expansion

Pollutant	Averaging Period	Year	Modeled Impact ($\mu\text{g}/\text{m}^3$)	Significant Impact Level ($\mu\text{g}/\text{m}^3$)	DeMinimis Monitoring Level ($\mu\text{g}/\text{m}^3$)
PM10	24-hour	1987	28.9	5	10
		1988	36.8	5	10
		1989	30.4	5	10
		1990	34.7	5	10
		1991	33.1	5	10
	Annual	1987	7.86	1	
		1988	8.56	1	
		1989	8.29	1	
		1990	7.50	1	
		1991	8.75	1	
CO	1-hour	1987	855	2000	
		1988	902	2000	
		1989	985	2000	
		1990	836	2000	
		1991	805	2000	
	8-hour	1987	195	500	575
		1988	274	500	575
		1989	240	500	575
		1990	249	500	575
		1991	261	500	575
SO2	3-hour	1987	0.089	25	
		1988	0.11	25	
		1989	0.13	25	
		1990	0.11	25	
		1991	0.12	25	
	24-hour	1987	0.021	5	13
		1988	0.020	5	13
		1989	0.021	5	13
		1990	0.020	5	13
		1991	0.022	5	13
	Annual	1987	0.0034	1	
		1988	0.0037	1	
		1989	0.0038	1	
		1990	0.0033	1	
		1991	0.0039	1	
NOx	Annual	1987	1.42	1	14
		1988	1.75	1	14
		1989	1.51	1	14
		1990	1.34	1	14
		1991	1.41	1	14

TABLE 6.2 - NAAQS/WAAQS Compliance Demonstration

Pollutant	Averaging Period	Year	Solvay Impact (HSH) ($\mu\text{g}/\text{m}^3$)	Monitored Impact ($\mu\text{g}/\text{m}^3$)	Cumulative Impact ($\mu\text{g}/\text{m}^3$)	AAQS ($\mu\text{g}/\text{m}^3$)
PM10	24-hour	1987	24.6	34	58.6	150
		1988	29.1	34	63.1	150
		1989	28.1	34	62.1	150
		1990	28.4	34	62.4	150
		1991	27.7	34	61.7	150
	Annual	1987	7.86	11	18.9	50
		1988	8.56	11	19.6	50
		1989	8.29	11	19.3	50
		1990	7.50	11	18.5	50
		1991	8.75	11	19.8	50
NOx	Annual	1987	32.9	3	35.9	100
		1988	36.8	3	39.8	100
		1989	38.1	3	41.1	100
		1990	36.2	3	39.2	100
		1991	40.0	3	43.0	100

TABLE 6.3 - Class I PSD Increment Analysis

Pollutant	Averaging Period	Year	Solvay Impact (HSH) ($\mu\text{g}/\text{m}^3$)	PSD Class II Increment ($\mu\text{g}/\text{m}^3$)
PM10	24-hour	1987	24.6	30
		1988	29.1	30
		1989	28.1	30
		1990	28.4	30
		1991	27.7	30
	Annual	1987	7.86	17
		1988	8.56	17
		1989	8.29	17
		1990	7.50	17
		1991	8.75	17

Table 6- Summary of Maximum Acid Deposition Results

Name	Annual Modeled NO _x Impact ($\mu\text{g}/\text{m}^3$)	Lake Baseline ANC ($\mu\text{eq}/\text{L}$)	ΔANC	ΔpH
Black Joc Lake	0.00118	46	0.655	0.0029
Deep Lake	0.00124	40	0.792	0.0035
Hobbs Lake	0.00086	57	0.386	0.0017
Ross Lake	0.00067	51	0.336	0.0015
Saddlebag Lake	0.00138	28.4	1.242	0.0054
Klondike Lake	0.00076	20	0.971	0.0042
Upper Titicomb Lake	0.00082	34	0.616	0.0027